

*MOJAVE DESERT*  
*AIR QUALITY MANAGEMENT DISTRICT*

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Federal Operating Permit Number: 3100066

For: SOUTHERN CALIFORNIA GAS  
COMPANY

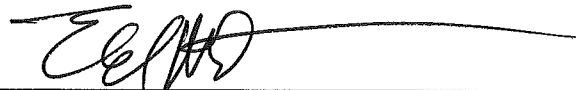
Facility: Adelanto Turbine/Compressor Station

Issued Pursuant to MDAQMD Regulation XII  
Effective Date: October 29, 2014

●SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires  
October 29, 2019

Issued By: Eldon Heaston  
Executive Director  
Air Pollution Control Officer



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## **PERMIT REVISIONS**

**2016 Administrative Permit Change** (by: Samuel J Oktay, PE); Updated contact information; Page I-4

**2014 Administrative Permit Renewal** (by: Samuel J Oktay, PE); Revised Rule 1113 references, Page II-15 through II-16; all Rule SIP History and Status moved to Appendix VII page VII 38 to VII 41; Revised MDAQMD Permit B000294 equipment description, Pages I-5 and III-24. Added Permit Revision Summary, Page 2. Updated Permit B000295 equipment description and permit conditions, Pages III-26 through III-28. Added Rule 1211 Requirements regarding GHG emissions to Page II-18.

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## PART I INTRODUCTORY INFORMATION

### A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: SOUTHERN CALIFORNIA GAS COMPANY

Owner Mailing Address: Southern California Gas Company  
P.O. Box 2300, Chatsworth CA 91313

Facility Name: Adelanto Turbine/Compressor Station

Facility Location: SCG - Adelanto  
Koala/Rancho Roads  
Adelanto, CA 92301

MDAQMD Federal Operating Permit Number: 3100066

MDAQMD Company Number: 0310

MDAQMD Facility Number: 0066

Responsible Official: Mr. Carlos Gaeta  
Title: Field Operations Manager  
Phone Number: 760-243-6574

Facility "Site" Contact #1: Scott Brewer  
Phone Number: (760) 243-6576

Facility "Site" Contact #2: Harold Lang, Environmental  
Phone Number: (818) 701-2514

Facility "Off Site" Contacts: Darrell Johnson  
Phone Number: (213) 244-2142

Nature of Business: Natural Gas Compression and Transmission  
SIC Code: 4922 – Natural Gas Pipeline  
Facility Location: UTM (Km) 458.679E / 3824.007N

- B. FACILITY DESCRIPTION: Federal Operating Permit (FOP number: 3100066) for Southern California Gas Company (SCG), Adelanto Turbine/Compressor Station, located at Koala and Rancho Roads, Adelanto, CA 92301. SCG, Adelanto Turbine/Compressor Station - is a natural gas compression and transmission pipeline facility located near Adelanto, California. Turbine and IC Engine Equipment description as follows:
- C. TURBINE ENGINE MDAQMD PERMIT # B000294: CONSISTING OF THE FOLLOWING EQUIPMENT: TURBINE ENGINE, MODEL GE LM-1500. ENGINE IS NATURAL GAS FIRED AND DRIVES A SINGLE STAGE NATURAL GAS COMPRESSOR WITH A MAXIMUM HEAT INPUT OF 382 MMBTU/HR.
- D. B000295: ENGINE DRIVEN GENERATOR - CONSISTING OF THE FOLLOWING EQUIPMENT: A WAUKESHA PISTON ENGINE FACTORY RATED AT 465 BHP; 4SRB, MODEL L5790 - GU, SERIAL NUMBER 254301; NATURAL GAS FIRED DRIVING ELECTRIC GENERATING UNIT NO. 1. ENGINE IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 63 SUBPART ZZZZ FOR ENGINES LOCATED AT A HAP AREA SOURCE
- E. MDAQMD PERMIT NUMBER T002279: WASTE OIL STORAGE TANK - CONSISTING OF; ONE (1) 3000 GALLON ABOVEGROUND IC ENGINE WASTE OIL STORAGE TANK:

PART II  
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS  
LIMITATIONS; MONITORING, RECORDKEEPING,  
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE  
CONDITIONS; COMPLIANCE PLANS

**A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:**

1. A permit is required to operate this facility. [Rule 203]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate. [Rule 203]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit. [Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified. [Rule 204]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District. [Rule 206]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules. [Rule 207]

7. Permits are not transferable. [Rule 209]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing. [Rule 217]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements. [Rule 219]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility. [Rule 221]
11. Owner/Operator shall pay all applicable MDAQMD permit fees. [Rule 301]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees. [Rule 312]
13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
  - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

- (b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
- (i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
  - (ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
  - (iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
  - (iv). On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame. [Rule 204; Rule 401; 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
14. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent. [Rule 431; 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
15. Emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility. [Rule 403]
16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM<sub>10</sub> Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved. [Rule 403.2]
17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard



conditions, shown in Rule 404, Table 404 (a).

- (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
- (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
- (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>), greater than or equal to 500 ppm by volume. [Rule 406]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

- (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407]

21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain

per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409]

23. APCO, at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
  - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
  - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
  - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
  - (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the APCO.

[Rule 430]

24. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:
- (a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.
  - (b) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.
  - (c) The provisions of this condition shall not apply to:
    - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
    - (2) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from

- air pollution control requirements by said rules.
  - (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
  - (4) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
  - (5) The use of 1-1-1 Trichloroethane.
  - (6) Aerosol products
- [Rule 442]
25. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
- [Rule 444]
26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
  - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
  - (c) Cold Solvent Degreasers - Freeboard Requirements:
    - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
    - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
    - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
    - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
  - (d) Cold Solvent Degreasers - Cover Requirements:
    - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily

- open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
- (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carry-out shall be minimized by the following methods:
- (a) Rack workload arranged to promote complete drainage
- (b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
- (c) Retain the workload inside of the vapor zone until condensation ceases.
- (d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
- (e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
- (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is

- conducted in a totally enclosed space, separated from the environment.
- (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
  - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
  - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
  - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
    - (i) product name(s) used in the degreaser, and
    - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
    - (iii) VOC content of solvent or mixture of compounds as used, and
    - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
    - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
  - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
  - (3) Documentation shall be maintained on site of the disposal or on-site recycling of any waste solvent or residues.
  - (4) Records shall be retained (at facility) and available for inspection by District,

state or federal personnel for the previous 5-year period as required by this  
Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).  
[Rule 1104]

27. Owner/Operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

**MDAQMD Rule 1113, Table 1**

Coating Category	Effective 1 January 2013 VOC Grams/Liter
<b>Primary Coatings</b>	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
<b>Specialty Coatings</b>	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finish Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 <sub>a</sub>
(a: Limit is expressed as VOC Actual)	
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Penetrative Coatings	250

Shellacs:

Clear	730
Opaque	550

Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340

[Rule 1113]

28. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, part C, Table of Standards, as listed below:

(1) VOC Content of Coatings & Adhesives

- (a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(i)

LIMITS

Grams of VOC Per Liter of Coating,

Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97		On and After 7/1/2005
		Column I or g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)

		On and After 7/1/97		On and After 7/1/2005
Pigmented Primers, Sealers and Undercoats	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

- (ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

(b) **LIMITS**  
Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds (VOC Content)

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

(c) **LIMITS**  
Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97	On and After 7/1/2005
		g/L (lb/gal)	g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)



		On and After 7/1/97	On and After 7/1/2005
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

[Rule 1114]

29. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

#### LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)

Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115]

30. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*). [Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
31. Owner/Operator shall comply with all requirements of Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit. [Rule 1211]

**B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:**

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request. [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence. [Rule 204]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent).  
Vendor data meeting this requirement are sufficient.  
[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*; Rule 204; Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]  
and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]
- 4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.  
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
  - (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.  
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
  - (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder. [Rule 1203 (D)(1)(g)(x)]
  - (d) Owner/operator shall submit a *Compliance Certification Report* to the APCO/District on an *annual* basis. The *Compliance Certification Report* shall be postmarked by May 30<sup>th</sup> of each year. Each report must cover the annual period from May 1<sup>st</sup> through April 30<sup>th</sup> and shall be certified to be true, accurate, and complete by "The Responsible Official". A copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator. [40 CFR 72.90.a and *Derived from* Rule 1203 (D)(1)(g)(v - x)]  
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
5. Owner/Operator shall submit, on a *semi-annual* basis a *Monitoring Report* to the

APCO/District. Each *Monitoring Report* shall cover the periods from May 1<sup>st</sup> to October 31<sup>st</sup>, and be postmarked by the 30<sup>th</sup> of November, and from November 1<sup>st</sup> to April 30<sup>th</sup>, and be postmarked by the 30<sup>th</sup> of May. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:

- (a) Summary of deviations from any federally-enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD. [Rule 1203(D)(1)(e)(i)]

6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b),

below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.  
[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

**C. FACILITY-WIDE COMPLIANCE CONDITIONS:**

- 1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.  
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
- 2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit. [40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
- 3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit. [40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
- 4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.

[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]

5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application. [1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit. [Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, National Emission Standards for Hazardous Air Pollutants, subpart A, General Provisions, and subpart M, Asbestos. [40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, National Emission Standard for Asbestos. [40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability]. [40 CFR 61.145.b]

**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

- A. TURBINE ENGINE MDAQMD PERMIT # B000294: CONSISTING OF THE FOLLOWING EQUIPMENT: TURBINE ENGINE, MODEL GE LM-1500. ENGINE IS NATURAL GAS FIRED AND DRIVES A SINGLE STAGE NATURAL GAS COMPRESSOR WITH A MAXIMUM HEAT INPUT OF 382 MMBTU/HR.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions. [Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
  2. The Owner/Operator shall log all maintenance, repairs and the calendar quarterly volume of fuel used in this equipment. The log shall be maintained current, on-site for a minimum of five (5) years and provided to District, state or federal personnel upon request. [Rule 204]
  3. Owner/Operator shall comply with MDAQMD Rule 1159 (D)(2)(b) and (F)(1)(e), by keeping the following operating records. The o/o shall maintain a continuous monitoring device that measures and records elapsed time of operation (Note that this turbine is not subject to Rule 1159(F)(1)(a) as it is not equipped with an emissions control system):
    - (a) Owner/Operator shall keep daily operating logs for Turbine that includes, as a minimum, the following information: the total hours of operation per day; the accumulated hours of operation per calendar month and calendar year; and the type and quantity of fuel used during each day and accumulative amounts per calendar month, quarter year and year. [Rule 204; Rule 1159]
  4. This equipment shall not emit a measured NO<sub>x</sub> Emissions Concentration (as defined by Rule 1159) in excess of 90 ppmv. Compliance with this condition shall be established through periodic source testing as defined in Condition 5, below:
    - (a) For the Southern California Gas Company Turbine Model GE LM-1500, the following alternative federal NO<sub>x</sub> RACT limits apply: NO<sub>x</sub> Limit: 90 ppmv when fired on PUC quality natural gas fuel
    - (b) NO<sub>x</sub> ppmv emission limit is corrected to 15 percent oxygen and ISO standard conditions on a dry basis, averaged over any consecutive 15-minute period. [Rule 204; Rule 1159]

5. This equipment shall be source tested in accordance with this condition every calendar year in which the unit exceeds a run-time of 877 hours. This equipment shall be source tested at least once every three years in any event. The o/o shall conduct periodic compliance testing in strict accord with all procedures described in the District's Compliance Test Procedural Manual. The District shall be notified no less than 10 working days prior to the test and shall receive the final test report of emissions no later than 45 days prior to the expiration date of the permit in the applicable year. The following compliance tests are required:
    - a. NO<sub>x</sub> as NO<sub>2</sub> in ppmvd at 15% oxygen (measured per USEPA Reference Method 20); and,
    - b. The Higher Heating Value (HHV) and the Lower Heating Value (LHV) shall be determined by the following method for gaseous fuels: ASTM Test Method D 3588-91; or ASTM Test Method D 1826-88; or ASTM Test Method D 1945-81.  
[Rule 204; Rule 1159] [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (For Periodic Monitoring Requirements, see Part II and Part III conditions)
  6. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles. [Rule 204]
  7. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued. [Rule 204]
  8. This turbine engine shall be fired on PUC quality natural gas only. [Rule 204]
  9. The o/o shall maintain current and on-site for a minimum of five (5) years a turbine operating log. This daily log shall be provided to District, State or Federal personnel upon request and shall include at a minimum the following information:
    - a. Date and nature of all repairs and maintenance;
    - b. Date of operation (startup and shutdown if necessary);
    - c. Duration of operational period (in hours);
    - d. Total calendar monthly operations (in hours); and,
    - e. Type and quantity of fuel consumed (in cubic feet or equivalent).[Rule 1203(D)(1)(d)(ii); Rule 204]
- B. ENGINE DRIVEN GENERATOR, STATIONARY PERMIT # B000295; A WAUKESHA PISTON ENGINE FACTORY RATED AT 465 BHP; 4SRB, MODEL L5790 - GU, SERIAL NUMBER 254301; NATURAL GAS FIRED DRIVING ELECTRIC GENERATING UNIT NO. 1. ENGINE IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 63 SUBPART ZZZZ FOR ENGINES LOCATED AT A



## HAP AREA SOURCE

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions. [Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [40 CFR Part 63.6625(e)(8)]
3. This unit shall only be fired on Natural Gas fuel. [Rule 204]
4. This engine is located at an Area HAP Source and subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements:

The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

- a. Change oil and oil filter every 1,440 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
  - b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and replace as necessary;
  - c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.  
[Table 2 d to Subpart ZZZZ of Part 63]
5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years [40 CFR 63.6660], and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
    - a. Dates of operation; and
    - b. Hours of operation; and
    - b. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 5 below [40 CFR 63.6655(a)(4)] ; and,
    - c. Records of the occurrence and duration of each malfunction of operation ( i.e., process

- equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)]; and,
- d. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [Rule 204; 40 CFR 63.6655(a)(5)]
6. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.  
[40 CFR 63.6625(h); 40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii); Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (For Periodic Monitoring Requirements; see Part II and Part III conditions)
7. The o/o is limited to operating this generator with the installed governor operating with the rpm limited to less than or equal to 900 rpm. This engine is limited through its direct coupling to the generator, which limits the bhp to approximately 465 @ 900 rpm.  
[Rule 1302]
8. This unit is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAPs). In the event of conflict between conditions and the referenced regulatory citation, the more stringent requirements shall govern. [Rule 204]
- C. MDAQMD PERMIT NUMBER T002279: WASTE OIL STORAGE TANK -  
CONSISTING OF; ONE (1) 3000 GALLON ABOVEGROUND IC ENGINE WASTE  
OIL STORAGE TANK:
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions. [Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
2. All flanges, seals, pumps and other appurtenant equipment shall be installed and maintained to prevent the loss of volatile fractions. [Rule 204]
3. Owner/Operator shall maintain a log of tank throughputs and log all shipments of oil to other parties including the hauler of said oil. Additionally, this log shall contain the mass (or volume) and the date of the oil shipment. [Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

4. This tank is limited to storing waste oil generated on-site by So Cal Gas Co.  
[Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
5. All information provided with the application is incorporated as conditions to construct and operate this equipment and this equipment shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.  
[Rule 204; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
6. Owner/Operator shall maintain and keep an operating log on-site for a minimum of five (5) years and provide it to District, state or federal personnel on request.  
[Rule 204]

## PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

### A. **STANDARD CONDITIONS:**

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby. [40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit. [40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s). [40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause. [40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit. [40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege. [40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing. [40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit. [40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created. [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312. [40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit. [40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i). [40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603. [40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit. [40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program. [40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414. [40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan. [40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit. [40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit. [40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible. [Section 113(a) of the Clean Air Act]

## PART V OPERATIONAL FLEXIBILITY

**A. ALTERNATIVE OPERATING SCENARIO (S):**

**B. OFF PERMIT CHANGES:**

- I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
- A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
    - 1. The proposed change is not:
      - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or [See 1203(E)(1)(c)(i)d]
      - b. A modification under Title I of the Federal Clean Air Act; or
      - c. A modification subject to Regulation XIII; and [See 1203(E)(1)(c)(i) d]
      - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and [See 1203(E)(1)(c)(i)c]
      - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). [See 1203(E)(1)(c)(i)e]
- II. Procedure for “Off Permit” Changes
- A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
    - 1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. [See 1203(E)(1)(c)(i)b]
    - 2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
      - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and [See 1203(E)(1)(c)(i)b]
      - b. A list of any new Applicable Requirements which would apply as a result of the change; and [See 1203(E)(1)(c)(i)b.]
      - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. [See 1203(E)(1)(c)(i)c]

3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. [See 1203(E)(1)(c)(i)a]
  - B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. [See 1203(E)(1)(c)(i)a and g]
  - C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. [See 1203(E)(1)(c)(i)f]
  - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). [See 1203(E)(1)(c)(i)f]
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. [See 40 CFR 70.4(b)(i)(B)] [Rule 1203(E)(1)(c)]



## PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

### A. CONVENTIONS

The following referencing conventions are used in this federal operating permit:

40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)  
40 CFR Part 60, Appendix F, Quality Assurance Procedures  
40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants  
(NESHAPS)  
40 CFR Part 61, Subpart M, National Emission Standards for Asbestos  
40 CFR Part 63--National Emission Standards For Hazardous Air Pollutants For  
Affected Source Categories  
40 CFR Part 72, Permits Regulation (Acid Rain Program)  
40 CFR Part 73, Sulfur Dioxide Allowance System  
40 CFR Part 75, Continuous Emission Monitoring  
40 CFR Part 75, Subpart D, Missing Data Substitution Procedures  
40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures  
40 CFR Part 75, Appendix C, Missing Data Estimating Procedures  
40 CFR Part 75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol  
40 CFR Part 75, Appendix F, Conversion Procedures  
40 CFR Part 75, Appendix G, Determination of CO<sub>2</sub> Emissions

### B. OTHER CONVENTIONS:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

### C. ABBREVIATIONS

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units

CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH <sub>3</sub>	ammonia
NMOC	non-methane organic compounds
NO <sub>x</sub>	oxides of nitrogen
NO <sub>2</sub>	nitrogen dioxide
O <sub>2</sub>	oxygen
pH	pH (acidity measure of solution)
PM <sub>10</sub>	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>x</sub>	oxides of sulfur
SO <sub>2</sub>	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

## PART VII

### SIP History and Status For Cited Rules

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	USEPA Action	CFR	FR Date	FR Cite
SO	203	Permit to Operate	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	203	Permit to Operate				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	203	Permit to Operate		7/25/1977	G-73					
SO	204	Permit Conditions	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	204	Permit Conditions				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	204	Permit Conditions		7/25/1977	G-73					
SO	206	Posting of Permit To Operate	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	206	Posting of Permit to Operate				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	206	Posting of Permit to Operate		7/25/1977	G-73					
SO	207	Altering or Falsifying of Permit	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	207	Altering or Falsifying of Permit				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	207	Altering or Falsifying of Permit		7/25/1977	G-73					
SO	209	Transfer and Voiding of Permit	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	209	Transfer and Voiding of Permit				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	209	Transfer and Voiding of Permit		7/25/1977	G-73					
SO	217	Provision for Sampling and Testing Facilities	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
						6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	217	Provision for Sampling and Testing Facilities								
MD	217	Provision for Sampling and Testing Facilities		7/25/1977	G-73					
SO	219	<u>{Title Unknown}</u>	MD			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
						8/2/1976	App	40 CFR 52.220(c)(32)(iv)(C)		
RC	219					6/6/1977	App	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SB	219	Equipment Not Requiring a Written Permit			G-73	6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	219	<u>Equipment Not Requiring a Written Permit Pursuant to Regulation II</u>				7/25/1979	U			
					SC Bef 10/81	10/23/1981	App	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
						2/7/1989	NPRM		11/16/1990	55 FR 47894
						<u>11/12/1992</u>				
MD	219	Equipment Not Requiring a Written Permit				1/28/1992				
						1/24/1995				
						10/30/2001				
				8/23/2010	(SIP Sub)	12/7/2010				

MDAQMD Federal Operating Permit Number: 3100066  
Southern California Gas Company - Adelanto Turbine/Compressor Station  
Last Revision: March 2, 2016

MD	221	Federal Operating Permit Requirement	MD		2/21/1994	3/31/1995	App	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
				2/28/2011	(SIP Sub)					
RC	301	<u>Permit Fees</u>	MD			6/6/1977	App	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	301	<u>Permit Fees</u>				1/2/1979	U	40 CFR 52.220(c)(47)(i)(A)		
						4/23/1980	App	40 CFR 52.220(c)(69)(ii)	9/28/1981	46 FR 47451
						7/14/1981	U	40 CFR 52.220(c)(102)(iv)(A)	7/6/1982	47 FR 29231
						2/3/1983	App	40 CFR 52.220(c)(127)(vii)(C)	10/19/1984	49 FR 41028
						7/19/1983	App	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
						10/25/1991				
						1/11/1993				
						2/28/1994				
MD	301	Permit Fees		6/24/2012	Not SIP		Del	40 CFR 52.220(c)(39)(iv)(C)	1/18/2002	67 FR 2573
MD	312	Fees for Federal Operating Permits	MD	12/21/1994	Current					
SO	403	Fugitive Dust	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	403	Fugitive Dust				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	403	Fugitive Dust		7/25/1977	G-73					
MD	403.2	Fugitive Dust Control for MDPA	MD	7/22/1996	(SIP Sub)	10/18/1996				
SO	404	Particulate Matter - Concentration	SBC			8/2/1976		40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	404	Particulate Matter - Concentration				N/A	D	40 CFR 52.227(b)(3)(i)	6/14/1978	43 FR 25684
MD	404	Particulate Matter - Concentration		7/25/1977	Current	11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
SO	405	Solid Particulate Matter, Weight	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	405	Solid Particulate Matter, Weight				11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
MD	405	Solid Particulate Matter, Weight		7/25/1977	Current					
SB	406	Specific Contaminants	SBC			11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
MD	406	Specific Contaminants		2/20/1979	7/25/1977					
SO	407	Liquid and Gaseous Air Contaminants	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	407	Liquid and Gaseous Air Contaminants								
MD	407	Liquid and Gaseous Air Contaminants		7/25/1977	G-73	6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SO	408	Circumvention	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	408	Circumvention				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	408	Circumvention		7/25/1977	G-73					
SO	409	Combustion Contaminants	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	409	Combustion Contaminants				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	409	Combustion Contaminants		7/25/1977	G-73					

SO	430	Breakdown Provisions	MD			2/10/1977		40 CFR 52.220(c)(37)(i)(B)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.271(a)(28)(i)	1/24/1978	43 FR 2375
						6/6/1977		40 CFR 52.220(c)(39)(ii)(A)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.271(a)(28)(i)	1/24/1978	43 FR 3275
RC	430	Breakdown Provisions				6/6/1977		40 CFR 52.220(c)(39)(iv)(A)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.220(a)(22)(i)	1/24/1978	43 FR 2375
MD	430	Breakdown Provisions		12/24/1994	Not SIP	2/24/1995	D	40 CFR 52.271(d)(3)(i)	11/6/2003	68 FR 62738
SO	431	Sulfur Content of Fuels	SBC			2/10/1977		40 CFR 52.220(c)(37)(i)(B)		
SB	431	Sulfur Content of Fuels				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	431	Sulfur Content of Fuels		7/25/1977	G-73					
RC	442	Usage of Solvents				6/6/1977	App	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	442	Usage of Solvents				12/17/1979	App	40 CFR 52.220(c)(59)(ii)(B)	9/28/1981	46 FR 47451
						5/20/1982	App	40 CFR 52.220(c)(125)(ii)(D)	11/16/1983	48 FR 52054
SB	442	Usage of Solvents				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	442	Usage of Solvents				5/23/1979	App	40 CFR 52.220(c)(51)(xii)(B)	6/9/1982	48 FR 52054
			MD	2/27/2006	Current	5/8/2007	App	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SB	444	Open Fires	SBC			11/4/1977		40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
						N/A	D	40 CFR 52.220(b)(12)(i)	12/21/1978	43 FR 59489
						3/23/1988	??			
MD	444	Open Fires	MD			3/3/1997	??			
				9/25/2006	Current	5/8/2007	App	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	1104	Organic Solvent Degreasing Operations	MD			11/30/1994	App	40 CFR 52.220(c)(207)(i)(D)(2)	4/30/1996	61 FR 18962
				9/28/1994	Current					
SB	1113	Architectural Coatings	SBC			5/23/1979	App	40 CFR 52.220(c)(51)(xii)(B)	6/9/1982	47 FR 25013
MD	1113	Architectural Coatings	SBC			1/11/1993				
MD	1113	Architectural Coatings	MD		2/24/2003	4/1/2003	LA/LD	40 CFR 52.220(c)(315)(i)(C)(1)	1/2/2004	69 FR 34
				4/23/2012	(SIP Sub)					

MD	1114	Wood Products Coating Operations	MD			3/31/1995	App	40 CFR 52.220(c)(216)(i)(A)(4)	4/30/1996	61 FR 18962
				11/25/1996	Current	3/3/1997	App	40 CFR 52.220(c)(244)(i)(C)	8/18/1998	63 FR 44132
SB	1115	Metal Parts & Products Coating Operations	MD			6/19/1992				
MD	1115	Metal Parts & Products Coating Operations				6/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(2)	12/23/1997	62 FR 67002
				4/22/1996	Current				2/23/1998	
MD	1159	Stationary Gas Turbines	MD			3/31/1995	App	40 CFR 52.220(c)(126)(i)(A)(3)	4/9/1996	61 FR 15719
				9/28/2009	Current	5/17/2010	LA/LD	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005						
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005						
SC	1302	Definitions	MD			8/15/1980	CA	40 CFR 52.220(c)(70)(i)(A)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1302	Definitions				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
MD	1302	Procedure					U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
					3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				8/28/2006	(SIP Sub)					